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27849

PATENT TRADEMARK OFFICE

19270 U.S. PTO  
10/713214

TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attorney Docket No. 249/419  
(must include alphanumeric codes if no inventors named)

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(new nonprovisional applications under 37 CFR 1.53(b))**

Transmitted herewith for filing is the patent application of:

**INVENTOR(S): Won-bong CHOI, Jo-won LEE, Ho-kyu KANG, Chung-woo KIM**

**TITLE: NONVOLATILE MEMORY DEVICE UTILIZING A VERTICAL NANOTUBE**

In connection with this application, the following are enclosed:

**APPLICATION ELEMENTS:**

xx Specification - 14 TOTAL PAGES

(preferred arrangement:)

- Descriptive Title of the Invention
- Cross Reference to Related Applications
- Statement Regard Fed sponsored R&D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

xx Drawings - Total Sheets 4

xx Declaration and Power of Attorney - Total Sheets 2

xx Newly executed (original or copy)

     Copy from a prior application (37 CFR 1.63(d))

(relates to continuation/divisional boxes completed) - NOTE: Box below

     DELETION OF INVENTOR(S) - Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

     Incorporation By Reference (useable if copy of prior application  
Declaration being submitted)

The entire disclosure of the prior application, from which a COPY of the  
oath or declaration is supplied as noted above, is considered as being  
part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.

     Microfiche Computer Program (Appendix)

     Nucleotide and/or Amino Acid Sequence Submission (if applicable,  
all necessary)

     Computer Readable Copy

     Paper Copy (identical to computer copy)

     Statement verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**

☒ Assignment Papers (cover sheet & document(s))  
☐ 37 CFR 3.73(b) Statement (when there is an assignee)  
☐ English Translation Document (if applicable)  
☐ Information Disclosure Statement(IDS) with PTO-1449. ☐ Copies of IDS Citations  
☐ Preliminary Amendment  
☒ Return Receipt Postcard (MPEP 503)  
☐ Small Entity Statement(s)  
☐ Statement file in prior application, status still proper and desired.  
☒ Certified Copy of Priority Document(s) with Claim of Priority  
(if foreign priority is claimed).  
☐ OTHER: Check for

If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)  
of prior application Serial No. ☐.

☐ Amend the specification by inserting before the first line the following sentence: --This application is a ☐ continuation, divisional or ☐ continuation-in-part of application Serial No. ☐, filed ☐.--

**CORRESPONDENCE ADDRESS:**

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**FEE CALCULATIONS:** (Small entity fees indicated in parentheses.)

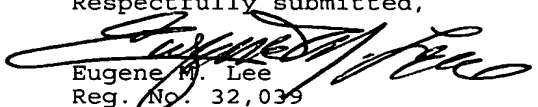
(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$770.00 (\$385)
Total Claims	14 - 20 =	0	x \$18 (x \$9)	0.00
Independent Claims	1 - 3 =	0	x \$86 (x \$43)	0.00
Multiple Dependent Claims			\$290 (\$145)	0.00
Assignment Recording Fee per property			\$40	40.00
TOTAL FEE:				810.00

**METHOD OF PAYMENT:**

The Commissioner is hereby authorized to charge the fees connected with the filing of this application to Deposit Account No. 5-01645.

Date: November 17, 2003

Respectfully submitted,

  
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